

Singlemode OS2 Outdoor Central Loose Tube , PE - FFES2SLx



DESCRIPTION

FABNET Indoor/Outdoor Low Smoke Zero Halogen (LSZH) Loose tube Cables are perfectly suited for rugged applications and installations requiring increased performance. The offered cables are fully compliant with the relevant IEC specifications. The uni loose tube cables consist of up to 24, 250µm optical fibers in a single gel filled loose tube with glass yarn non-metallic strength members and black PE, UV resistant jacket with ripcord.

APPLICATIONS

- Operates at wavelengths of 1310 nm and 1550 nm
- ETHERNET: 10BASE - 40GBASE(100BASE, 1000BASE, 10GBASE, 40GBASE, 100GBASE, 400GBASE)
- Metal free outdoor cable with Gel-filled tube
- High flexibility and light weight
- Cables are specifically designed for outdoor applications, mainly used in intra-building

SPECIFICATIONS & FEATURES

- Compliant with ANSI/TIA-568.3-D, ISO/IEC 11801
- Outer Jacket: PE, Black
- Gel-filled loose tube
- Compact 250µm loose tube construction
- Glass yarn strength member.

MECHANICAL & PHYSICAL PROPERTIES

Number of cores	04 to 24 Cores	Fiber Type	OS2 Singlemode (ITU-T G.652.D)
Impact	10 J, 3 impacts	Tensile Force	≤ 1300 N, 1 min (Installation)
Tensile Force	≤ 600 N, 10 min. (Operation)	Crush Resistance	Max. 1500 N
Flame Test	IEC 60332-1-2	Cable Bending	R= 20 x D, 4 turns, 3 cycles
Color of Fibers in Per Tube (12 Core)	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua	Operating Temperature	-40 to +70 °C
Outdoor Jacket	PE	Installation Temperature	-10 to +60 °C
Jacket Color	Black	Storage Temperature	-40 to +70 °C
Water Penetration	3 meter specimen, 1 m water altitude	Repeated Bending	R= 20 x D, 100 N, 35 cycles,
Tube Material	PBT	Tube Filling Compound	Thixotropic Jelly
Strength Member	Swellable Glass Yarn	Ripcord	Polyester

TRANSMISSION CHARACTERISTICS & RATINGS

Attenuation at 1310 nm (dB/Km)	≤ 0.35
Attenuation at 1550 nm (dB/Km)	≤ 0.22
Fire Propagation	IEC 60332-1-2
Smoke Density	IEC 61034-2
Halogen Acid Gas	IEC 60754-1
Degree of Acidity	IEC 60754-2
2011/65/EC (RoHS)	Compliant

PACKING DETAILS

Length (Mtr)	Approx. OD(mm)	Packaging Type
1000	6.1±0.4	DRUM
2000	6.1±0.4	DRUM

ORDERING INFORMATION

FFES2SLx	Singlemode OS2 Outdoor Central Loose tube PE Bulk Cable, Black
x-Fiber Core Variants (04/06/08/12/24)	